



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090205

**Mode:** Highway

**Status:** Submitted

### (Northeast Burke Corridor)

**From/Cross Street:** SR 1001 (Malcolm Blvd) in Rutherford College

**To:** SR 1608 (Shady Grove Church Road)

**Length:** 9.88

**Specific Improvement Type:** 6 - Widen Existing Roadway and Construct Part on New Location

**Project Category:** Division Needs

**TIP#:** R-2920

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$39,524,000

#### Description:

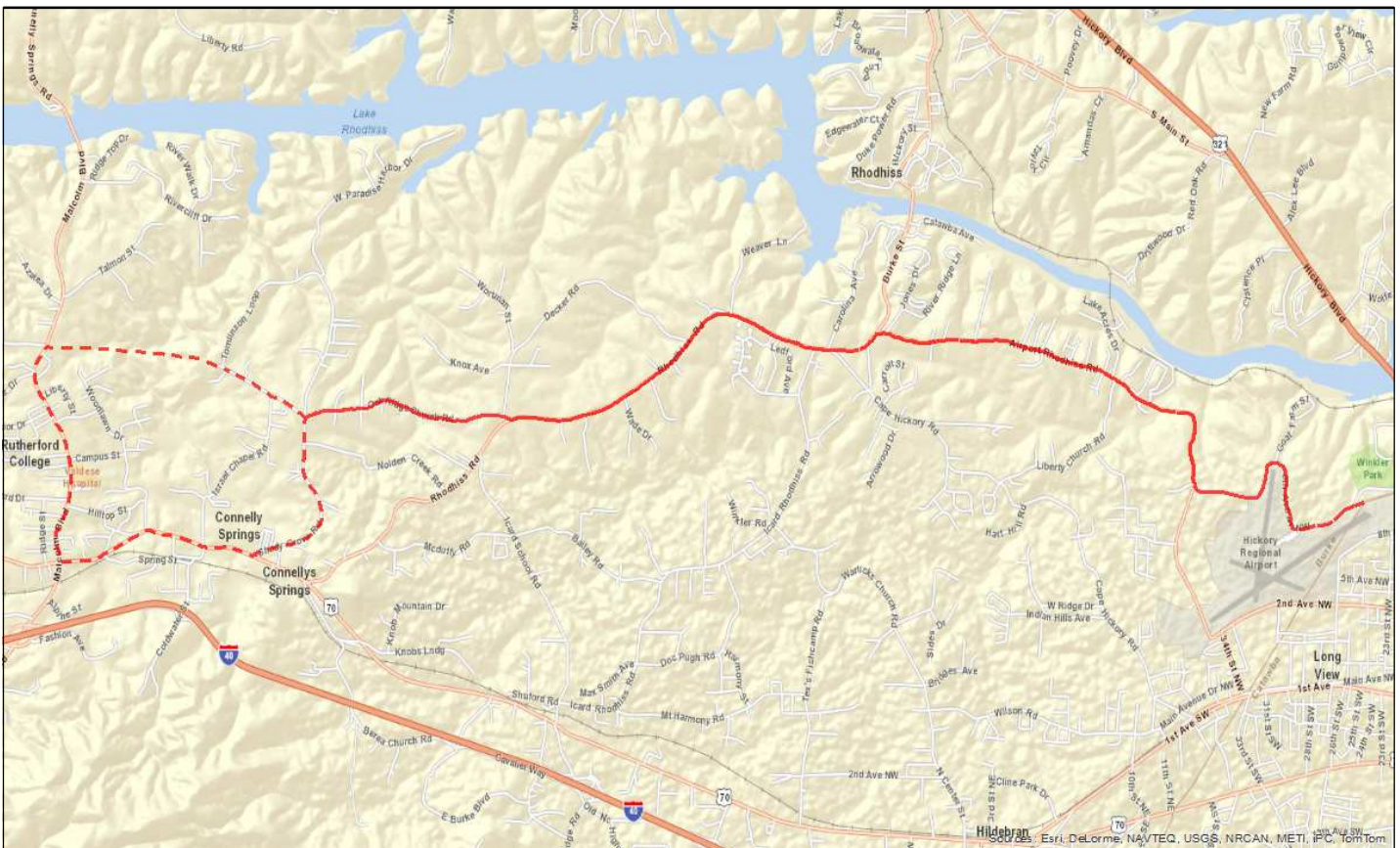
SR 1001 (Malcolm Boulevard) in Rutherford College to SR 1608 (Shady Grove Church Road). Upgrade SR 1611, SR 1614, SR 1653 and SR 1625, Some New Location.

**Division(s):** Division 13

**County(s):** BURKE

**MPOS(s)/RPO(s):** Greater Hickory MPO

### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	Percent: 15% Points:	Percent: 15% Points:

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (20%)                      0.95 Congestion (V/C) (20%)                                19.96 Safety (10%)    52.94  <b>Totals: Weight: 50% Weighted Score: 9.48</b>	Percent: 25% Points:	Percent: 25% Points:

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	42
Length (miles):	11.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	10
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	4768.39
Capacity:	15846.31
Volume/Capacity Ratio:	0.3
% Autos:	95%
% Trucks:	5%
Truck Volume:	227.7
Crash Density:	66.64
Crash Severity:	49.46
Critical Crash Rate:	42.74
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	89
Actual Congested Speed:	3.92
Travel Time Index:	1.12

**Project Benefits**

Project Cross-Section:	2B - 2 Lane Undivided with Paved Shoulders, 25-45 mph
Speed Limit:	40
Length (miles):	9.88
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	1669738
Travel Time Savings for 30 Years (Autos):	1590003.64
Travel Time Savings for 30 Years (Trucks):	79734.36
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 13	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Greater Hickory MPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$36,024,000	TIP Unit
Right-of-Way Cost:	\$3,125,000	Cost Estimation Tool
Utilities Cost:	\$375,000	Cost Estimation Tool
Total Project Cost:	\$39,524,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$39,524,000</b>	